



ITW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

CHO et al.

Atty. Ref.: 4105-28; Confirmation No. 8308

Appl. No. 10/722,540

TC/A.U. 2655

Filed: November 28, 2003

Examiner:

For: DIELECTRIC RECORDING/REPRODUCING HEAD AND DIELECTRIC  
RECORDING/REPRODUCING APPARATUS

\* \* \* \* \*

October 14, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUBMISSION**

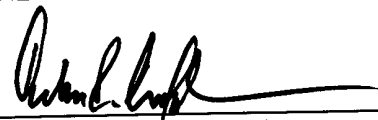
Submitted herewith are two Exclusive Substitute Powers of Attorney and Exclusive Prosecution Hereafter by Pioneer Corporation and Yasuo Cho, assignees of this application, each document executed by the respective assignee.

An early and favorable action on the merits is awaited.

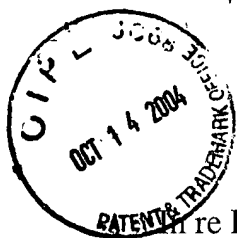
Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: \_\_\_\_\_

  
Arthur R. Crawford  
Reg. No. 25,327

ARC:eaw  
1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

CHO et al.

Atty. Ref.: 4105-28

Serial No. 10/722,540

Group: 2655

Filed: November 28, 2003

Examiner:

For: DIELECTRIC RECORDING/REPRODUCING HEAD  
AND DIELECTRIC RECORDING/REPRODUCING  
APPARATUS

\* \* \* \* \*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

## **EXCLUSIVE SUBSTITUTE POWER OF ATTORNEY AND EXCLUSIVE PROSECUTION HEREAFTER BY ASSIGNEE UNDER 37 C.F.R. §§ 1.36, 3.71 AND 3.73**

Pioneer Corporation, being the owner of partial right, title and interest in the above-identified patent application, hereby revokes all previous powers of attorney in this case, if any, and hereby appoints the attorneys of **Customer Number 23117** individually and collectively its attorneys to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith, and with the resulting patent.

Pioneer Corporation also authorizes Nixon & Vanderhye to act and rely solely on instructions communicated from the person, attorney, firm or other organization sending instructions to Nixon & Vanderhye on behalf of the owner.

### **Certificate Under 37 C.F.R. §3.73(b)**

Pioneer Corporation, a corporation having a place of business at 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan states that it is the assignee of partial right, title and

CHO et al.

Serial No. 10/722,540

interest in the patent application identified above by virtue of an assignment from the inventors to the aforesaid assignee, a copy of the assignment being attached.

The undersigned (whose title is typed below) is empowered to sign this statement on behalf of Pioneer Corporation.

**Pioneer Corporation**

17 / 9 / 2004

Date

By:

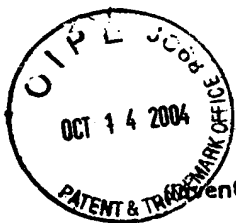
*Kenichiro Yasukawa*

Name: KENICHIRO YASUKAWA

Title: MANAGER

# ASSIGNMENT OF PATENT APPLICATION

# COPY



Yasuo CHO of Miyagi, Japan and Atsushi ONCE of Saitama, Japan

(Assignee)  
(Address)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

Yasuo CHO  
(of 4-5-304, Komegafukuro 2-chome, Aoba-ku, Sendai-shi, Miyagi,  
Japan  
and  
PIONEER CORPORATION  
of 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(Other  
Countries)  
(Title)

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of  
(in the invention, and all application for patent and any Letters Patent which may be granted therefor, known as  
(Case No)

DIELECTRIC RECORDING / REPRODUCING HEAD AND  
DIELECTRIC RECORDING / REPRODUCING APPARATUS

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on \_\_\_\_\_ or has already filed in \_\_\_\_\_  
(U.S. appln. Serial No. \_\_\_\_\_, filed on \_\_\_\_\_).  
The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

**COPY**

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date <u>Nov., 21, 2003</u>	Signature of inventor	( <u>Yasuo Cho</u> Yasuo CHO
Date <u>Nov., 21, 2003</u>	Signature of inventor	( <u>Atsushi Onoe</u> ATSUSHI ONOE
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____
Date _____	Signature of inventor	( _____

Witnessed by: \_\_\_\_\_

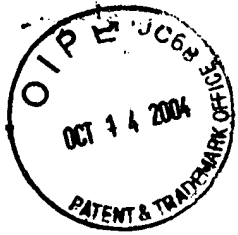
Date \_\_\_\_\_

Witnessed by: \_\_\_\_\_

Date \_\_\_\_\_

Witnessed by: \_\_\_\_\_

Date \_\_\_\_\_



57PO/5/45/02052745

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

CHO et al.

Atty. Ref.: 4105-28

Serial No. 10/722,540

Group: 2655

Filed: November 28, 2003

Examiner:

For: DIELECTRIC RECORDING/REPRODUCING HEAD  
AND DIELECTRIC RECORDING/REPRODUCING  
APPARATUS

\* \* \* \* \*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**EXCLUSIVE SUBSTITUTE POWER OF ATTORNEY  
AND EXCLUSIVE PROSECUTION HEREAFTER BY  
ASSIGNEE UNDER 37 C.F.R. §§ 1.36, 3.71 AND 3.73**

Yasuo CHO, being the owner of partial right, title and interest in the above-identified patent application, hereby revokes all previous powers of attorney in this case, if any, and hereby appoints the attorneys of **Customer Number 23117** individually and collectively his attorneys to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith, and with the resulting patent.

Yasuo CHO also authorizes Nixon & Vanderhye to act and rely solely on instructions communicated from the person, attorney, firm or other organization sending instructions to Nixon & Vanderhye on behalf of the owner.

**Certificate Under 37 C.F.R. §3.73(b)**

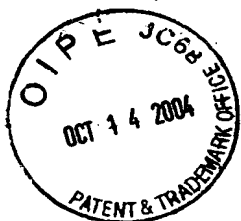
Yasuo CHO, a natural person having a residence at 4-5-304, Komegafukuro 2-chome, Sendai-shi, Miyagi, Japan states that he is the assignee of partial right, title and

CHO et al.  
Serial No. 10/722,540

interest in the patent application identified above by virtue of an assignment from the  
inventors to the aforesaid assignee, a copy of the assignment being attached.

Yasuo CHO

27/09/2004 By: Yasuo Cho  
Date



# ASSIGNMENT OF PATENT APPLICATION

# COPY

(Inventors) Yasuo CHO of Miyagi, Japan and Atsushi ONOE of Saitama, Japan

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee)  
(Address) Yasuo CHO  
(of 4-5-304, Komegafukuro 2-chome, Aoba-ku, Sendai-shi, Miyagi,  
Japan  
and  
PIONEER CORPORATION  
of 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(Other  
Countries)  
(Title) (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of  
(in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as  
(Case No)

DIELECTRIC RECORDING / REPRODUCING HEAD AND  
DIELECTRIC RECORDING / REPRODUCING APPARATUS

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in  
(U.S. appln. Serial No. , filed on ).  
The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.



**COPY**

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date <u>Nov. 21, 2003</u>	Signature of inventor	( <u>Yasuo Cho</u> )	Yasuo CHO
Date <u>Nov. 21, 2003</u>	Signature of inventor	( <u>Atsushi Onoe</u> )	Atsushi ONOE
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	
Date _____	Signature of inventor	( _____ )	

Witnessed by: _____	Date _____
Witnessed by: _____	Date _____
Witnessed by: _____	Date _____